

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Bakersfield California

May 29 1961

Mr. Robert P Mangold
Rt 2, Box 434
Bakersfield, Calif.

Agent for RESERVE OIL AND GAS CO.

DEAR SIR:

Your report of abandonment of Well No. "Davis" 1,
Sec. 35, T25S, R. 25E, MD B. & M., -- field,
Kern County, dated April 25, 1961, has been
examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division,
which are based on all information filed with it, have been fulfilled.

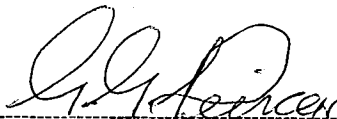
AGH:cv

cc-Co.

-Conservation Committee

E. H. MUSSER
State Oil and Gas Supervisor

By



Deputy Supervisor

W4-2
5-31-61
963

MAP & BOOK

STATUS

Completed Producing _____
 Recompleted Producing _____
 Completed Abandoned _____
 Uncompleted Abandoned 4-20-61
 Idle _____

RECORDS

Received 5-4-61 Needed

✓ 2 Well Summary _____
 ✓ 2 History _____
 _____ Log & Core _____
 ✓ 2 Lge Sm Elec. Log(s) _____ Lge Sm _____
 _____ Direct Survey _____
 _____ Other _____

Location _____ ✓

Elevation _____ ✓

Release Bond Blanket _____

Hold Bond _____ Reason _____

Final letter 5-29-61 _____

~~150b~~ _____

~~121~~ _____

121 cu _____

card _____

RECORDS O.K.
 A.B.H.
 5-16-61

~~HOLD FOR E. LOG~~
 Rec'd 5-22-61
 A.B.H.
 5-22-61

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS
WELL SUMMARY REPORT

DIVISION OF OIL AND GAS
RECEIVED

MAY 4 1961

BAKERSFIELD, CALIFORNIA

SUBMIT IN DUPLICATE

Operator Reserve Oil and Gas Company Well No. Davis #1

Sec. 35, T. 25S, R. 25E, M.D. B. & M. Field Kern County.

Location 1317.55' North and 1218.28' East of the West Quarter Corner.
(Give location from property or section corner, or street center lines)

Elevation of ground above sea level 313.32 feet

All depth measurements taken from top of Kelly Bushing which is 11 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

In compliance with Sec. 3215, of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date April 25, 1961

Signed C. V. Mangold

J. Lavery

(Engineer or Geologist)

T. Gray

(Superintendent)

Title Agent

(President, Secretary or Agent)

Commenced drilling 4-12-61

GEOLOGICAL MARKERS

DEPTH

Completed drilling 4-16-61 2940' - 2895' *

Etchegoin

2600

Total depth 3000 Plugged depth 2050' - 1963'

Junk 434' - 325'

Surface

Abandoned 4-20-61

Geologic age at total depth: Pliocene

Commenced producing - (Date) Flowing/gas lift/pumping -
(Cross out unnecessary words)

Name of producing zone -

Initial production

Production after 30 days

Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure

CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Drilled	Number of Sacks of Cement	Depth of Cementing if through perforations
<u>8 5/8"</u>	<u>410</u>	<u>Surface</u>	<u>28</u>	<u>New</u>	<u>Smlss</u>	<u>H-40</u>	<u>12 1/4</u>	<u>190</u>	

PERFORATED CASING

(Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

* See History

Electrical Log Depths 2539', 3000'

(Attach Copy of Log)

Reserve Oil and Gas Company

Well - Davis #1

Section 35, T. 25S R. S5E.
M.D.B.&M., Kern County

April 25, 1961

R. P. Mangold
R. P. Mangold, Agent

April 12, 1961

Miller and York, drilling contractor, moved in and rigged up the following portable rotary drilling equipment - A 96' Franks Mast, Franks Giant Clipper double drum drawworks with GMC 6-110 diesel, an Ensco 7 1/2" x 14" D-300 pump and 4 1/2" FH drill pipe. Spudded in at 10:00 PM. Drilled to 410' with one 12 1/4" bit.

4-13-61

Casing and Cementing Data

Ran 416' of 8 5/8" 28 pound casing, including guide shoe. Cemented at 410' with 190 sacks Construction cement with 3% CaCl₂ mixed to average 114 lb./cu. ft. slurry. Cement in place 7:45 AM. Full circulation during job.

Installed and tested blow out prevention equipment with 1000 psi OK. Ran 7 7/8" drilling set up. Drilled out baffle at 370', cement to shoe at 410'. Drilled 410' - 2539' with three 7 7/8" bits.

4-15-61

Ran Welox induction electric log which stopped at 1640'. Ran 7 7/8" drilling set up, cleaned out to 2539'. Ran induction electric and acoustic velocity logs. Made up tester.

Formation Test Data

Formation test of interval 2365' to 2539'. Ran Cook Tester on 4 1/2" drill pipe and 186' of 6" drill collars with no cushion; Itco Jars and BR Safety Joint; 1/2" bean in tool. Set 7" packers at 2358' and 2365' with 174' of 4 5/8" perforated tail pipe, including 3 pressure recorders to 2539'. Valve open 59 minutes from 5:03 PM to 6:02 PM, 4-15-61. Light blow decreasing to dead at 5:59 PM. Shut in 6:02 PM. Pulled loose 6:30 PM. Gained 13000 lbs. Recovered net rise of 2360'; muddy water including 20' of coarse sand above shut in tool and 5' of sand in bottom of tail. Salinities varied from 550 to 650 grains per gallon. 10 to 13 units gas on formation logging unit blender. Pressure charts showed hydrostatic pressure of 1225 p.s.i. dropping to 380 psi when valve opened, final flow and shut in 1010 psi. Final hydrostatic 1200 psi. Bottom charts in bottom 5' of tail were plugged off.

Conclusion: Zone wet.

Ran 7 7/8" drilling set up.

4-16-61

Drilled 2539' - 3000' with one 7 7/8" bit. Ran induction electric and acoustic velocity logs. Ran scratcher equipped drill pipe to 3000', scratched 2950' to 2890'. Hung drill pipe at 2990'. Pumped 30 cu. ft. of water. Mixed 35 sacks Class A cement to 112 lb./cu. ft. slurry in 3 minutes. Displaced in 5 minutes with 230 cu. ft. of mud. Cement in place 6:49 PM. Pulled out.

4-17-61

Ran 7 7/8" drilling set up, cleaned out cement bridge 1408' - 1491' and cement stringers to 2840'. Top of hard cement plug at 2951'. Pulled out. Ran scratcher equipped drill pipe to 2950'. Plugged with 20 sacks Class A cement. Cement in place 5:15 PM.

4-18-61

Ran 7 7/8" bit, drilled firm cement 2885' - 2895', conditioned mud. Made up and ran formation tester. Set packer at 2870' with tail to 2895', packer failed. Pulled out. Ran 7 7/8" bit, cleaned out bridge 463' - 535', cleaned out to 2895'. Pulled out.

4-19-61

Ran Welex dipmeter. Made up tester.

Formation Test Data

Formation test of interval 2880' to 2900'. Ran Cook Tester on 4 1/2" drill pipe and 186' of 6" drill collars with no cushion; Itco Jars and BR Safety Joint; 1/2" bean in tool. Set 7" packers at 2873' and 2880' with 20' of 4 5/8" perforated tail pipe, including 3 pressure recorders to 2900'. Valve open 1 hour 4 minutes from 8:40 AM to 9:44 AM, date 4-19-61. Medium blow through-out test. Tail slid into or alongside plug 5' to 2900'. Pulled loose 10:22 AM. Recovered net rise of 1135'; muddy water grading to clear water. Salinities - top sample 660 g/g, middle 1250 g/g, bottom 1500 g/g. Pressure charts showed hydrostatic pressure of 1650 p. s.i. dropping to 300 psi when valve opened, final flow 600, shut in 1275, final hydrostatic 1540 psi.

Conclusion: Zone wet.

Ran open end drill pipe to 2050'. Mixed and displaced 42 sacks Class A cement. Cement in place 8:54 PM.

4-20-61

Felt for and found plug at 1963'. Witnessed and approved by DOG. Hung drill pipe at 434' and plugged with 40 sacks Class A cement. Located hard cement at 325'. Laid down drill pipe. Released rig 7:00 AM. Placed 10' cement plug at surface. Abandoned well.

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T B 461-194

Mr. Robert P. Mangold
Rt. 2, Box 434
Bakersfield, California
Agent for RESERVE OIL AND GAS CO.

Bakersfield, Calif.
May 2, 1961

DEAR SIR:

Operations at well No. "Davis" 1, Sec. 35, T. 25S, R. 25E, MD B & M.
Field, in Kern County, were witnessed
on April 20, 1961 Mr. J.R. Weddle, representative of the supervisor was present
from 12:20 AM to 1:00 AM. There were also present T. Gray, Drilling Superintendent
and K. Daniel, Driller
Present condition of well: 8-5/8" cem. 410'; T.D. 3,000', plugged with cement 2950-2895' and
2050-1963'

The operations were performed for the purpose of plugging the hole in the process of abandonment.

Mr. Gray reported:
1. A 7-7/8" hole was drilled from 416' to 3,000'.
2. On April 17, 1961, 20 sacks of cement was pumped into the hole through 4-1/2" drill pipe, hanging at 2950', filling to 2895'.
3. On April 19, 1961, 160 sacks of cement was pumped into the hole through 4-1/2" drill pipe, hanging at 2050'.

The Engineer noted that the cement plug at the reported depth of 1963' supported 5 tons of the weight of the drill pipe.

THE CEMENTING OPERATIONS AS REPORTED AND WITNESSED ARE APPROVED.


JRW/bp
cc - Company

SURF. INSPECTION O.K.
A.B.H.
5-10-61

E. H. MUSSER

State Oil and Gas Supervisor

By



Deputy

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCESDIVISION OF OIL AND GAS
REPORT ON PROPOSED OPERATIONS

No. P. B. 461-231

Mr. Robert P. Mangold
Rt 2, Box 434
Bakersfield, California
Agent for RESERVE OIL AND GAS CO.

Bakersfield, Calif.
May 2, 1961

DEAR SIR:

Your _____ proposal to abandon Well No. "Davis" 1,
Section 35, T. 25S, R. 25E, MD B. & M., _____ Field, Kern County,
dated April 18, 1961, received April 28, 1961, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The present condition of the well is:

1. Total Depth: 3,000'.
2. Complete casing record, including plugs:
8-5/8" C 410', plugged 3,000-2900'.

Additional Data for Dry Hole

3. Oil or Gas showings and results of tests:
DST 2365-2539', 1 Hr. 2360' Net Rise of muddy water.
DST 2880-2900', 1 Hr. 1135' Net Rise of muddy water.
4. Stratigraphic markers and depths: Etchegoin 2600'±.
5. Geologic age at bottom: Pliocene.
6. Base of fresh water sands: 1980'."

PROPOSAL:

"The proposed work is

1. Plug with cement 2050-1965'. DOG to witness.
2. Plug with cement 430-390'.
3. Place 10' plug at surface. Abandon well. DOG to witness."

DECISION:

THE PROPOSAL, COVERING WORK ALREADY COMPLETED IN ACCORDANCE WITH PRIOR AGREEMENT,
IS APPROVED.

JFM/bp
Blanket Bond
cc - Company

E. H. MUSSER, State Oil and Gas Supervisor

By E. H. Musser, Deputy

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED

Notice of Intention to Abandon Well

APR 28 1961

This notice must be given at least five days before work is to begin; one copy only

BAKERSFIELD, CALIFORNIA

Bakersfield Calif. April 18, 1961

DIVISION OF OIL AND GAS

In compliance with Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. Davis #1, Sec. 35, T. 25 S, R. 25 E, M.D. B. & M., East Pond Area Field, Kern County, commencing work on 4/19/61 1961.

THE PRESENT CONDITION OF THE WELL IS:

1. Total Depth: 3,000'
2. Complete casing record, including plugs:
8 5/8" C 410'
Plugged 3,000'-2,900'

ADDITIONAL DATA FOR DRY HOLE

4. Oil or Gas showings and results of tests:
DST 2365'-2539', 1 Hr. 2360' Net Rise of muddy water.
DST 2880'-2900', 1 Hr. 1135' Net rise of muddy water.
5. Stratigraphic markers and depths:
Etchegoin 2600'±
6. Geologic age at bottom: Pliocene
7. Base of fresh water sands: 1980'

3. Last Produced _____
(Date) (Oil, B/D) (Water, B/D)

THE PROPOSED WORK IS

1. Plug with cement 2050'-1965'. DOG to witness.
2. Plug with cement 430'-390'.
3. Place 10' plug at surface. Abandon well. DOG to witness.

REFERENCE TO FILE OF DATA

1	05	30nd	rd	Forms
64				114 121
	nd	Blank	✓	1934 Ell

Rt. 2, Box 434 - Bakersfield, Calif.

Reserve Oil & Gas Co.

TH 5-0736 (Address)

(Telephone No.)

By R. P. Mangold (Name of Operator)
Agent

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. **TP 461-167**

Mr. **Robert P. Mangold**
Rt 2, Box 434
Bakersfield, California
Agent for **RESERVE OIL AND GAS CO.**

Bakersfield, Calif.
April 19, 1961

DEAR SIR:

Operations at well No. **"Davis" 1**, Sec. **35**, T. **25S**, R. **25E**, **MD** B & M.
Field, in **Kern** County, were witnessed
on **April 14, 1961**. Mr. **J.A. Barnes**, representative of the supervisor was present
from **12:15 PM** to **12:40 PM**. There were also present **V. L. Bennett, Drilling Foreman and**
J. D. Collum, Driller
Present condition of well: **8-5/8" cem. 410'; T.D. 1936' (Drilling)**

The operations were performed for the purpose of **inspecting the blowout prevention equipment and installation.**

Mr. **-----** reported:

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

JAB/bp
cc - Company

E. H. MUSSER
State Oil and Gas Supervisor

By 

Deputy

Form 109-D

(B O P E)

Company RESERVE OIL & GASWell No. "DAVIS" 1

The Inspector was present at the well from 12:15 pm to 12:40 pm on Apr. 14 1961 and noted that the well was equipped with the following blowout prevention equipment.

✓ A Shaffer double control gate for closing in the well with the drill pipe out of the hole, and for closing around the 4 1/2" drill pipe.

-- A _____ for closing in the well with the drill pipe out of the hole.

-- A _____ for closing around the _____" drill pipe.

✓ The controls for the above equipment were located outside the derrick.

✓ A 2" mud fill-up line with a 2" high pressure VALVE into the 8 5/8" casing below the above equipment.

✓ A high pressure VALVE -- on the ~~kelly/goose-neck/stand pipe~~
MUD LINE.

Mr. Bennett reported:

✓ A 12 1/4" hole was drilled from the surface to 0' and a 7 7/8" to PRESENT DEPTH.

✓ On APRIL 13 1961, 8 5/8" 28 lb. casing was cemented at 410' with 190 sacks of cement.

✓ Cement returned ~~did not return~~ to the surface.

-- An additional _____ sacks of cement was placed around the _____" casing from the surface.

-- The PIPE RAMS and the POSITIVE RAMS
_____ WERE each tested under 1000 lb for 15 min.,
lb for _____ min., and _____ lb for _____ min. respectively.

✓ A 7 7/8" hole was being drilled ahead at 1936'.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. PB 461-198

Mr. Robert P. Mangold
Rt 2, Box 434
Bakersfield, California
Agent for RESERVE OIL AND GAS CO.

Bakersfield, Calif.
April 14, 1961

DEAR SIR:

Your _____ proposal to drill _____ Well No. "Davis" 1,
Section 35, T. 25S, R. 25E, MD. B. & M., _____ Field, Kern County,
dated April 7, 1961, received April 11, 1961, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"Legal description of mineral right lease, consisting of 160 acres, is as follows:
 $\frac{1}{2}$ of the $\frac{1}{2}$ of Section 35, T. 25S., R. 25E., M.D.B. & M.

Do mineral and surface leases coincide? Yes.

Location of Well: 1317.55' N. along section line and 1218.28'E. at right angles
to said line from the $\frac{1}{4}$ corner of section 35, T. 25S., R. 25E., M.D.B. & M.

Elevation of ground above sea level 313.32' USGS topographic datum.

All depth measurements taken from top of K.B. which is 10'± above ground."

PROPOSAL:

"Proposed Casing Program

Size of casing inches A.P.I.	Weight	Grade and Type	Top	Bottom	Cementing Depths
8-5/8"	24#	J-55	surface	400'	400'
5-1/2"	15.5#	J-55	surface	3,000'	3,000'

Intended zone or zones of completion: Etchegoin 2600'-3000'
(Name) (Depth, top & bottom)

Estimated total depth 3000'.

It is understood that if changes in this plan become necessary we are to notify
you before running casing."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Fluid consistent with good drilling practice shall be used, and the column of fluid maintained to the surface at all times, particularly while pulling the drill pipe.
2. Sufficient cement shall be pumped back of the 8-5/8" casing to fill to the surface.
3. Adequate blowout prevention equipment shall be installed and maintained in operating condition at all times.
4. Fresh water and oil or gas zones back of the 5-1/2" casing shall be protected, either by lifting cement or by multiple-stage cementing.
5. **THIS DIVISION SHALL BE NOTIFIED:**
 - a. TO INSPECT the blowout prevention equipment prior to drilling below a depth of 1,500'.
 - b. TO WITNESS a test of the 5-1/2" water shut-off.

E. H. MUSSER, State Oil and Gas Supervisor

By (Continued page 2), Deputy

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P B 461-198

Page 2

RESERVE OIL AND GAS CO. Company

Well No. "Davis" 1, Section 35, T. 25S, R. 25E, MD B. & M.,

NOTE: THIS DIVISION SHALL BE CONSULTED in the event the well is to be drilled below 5,000'.

JFM/bp
Blanket Bond
cc - Company

E. H. MUSSER, State Oil and Gas Supervisor

By *G. L. Lencer*, Deputy

4-11-61

PROSPECT WELL

BAKERSFIELD, CALIFORNIA

April 7, 1961

29-30515

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well No. "Davis" #1, Sec. 35, T. 25 S., R. 25 E., M.D.B. & M., _____ Field, Kern County.

Legal description of mineral right lease, consisting of 160 acres, is as follows: W/2 of the W/2 of Section 35, T.25 S., R.25 E., M.D.B. & M. (Attach map or plat to scale)

Do mineral and surface leases coincide? Yes X No ____ If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of Well: 1317.55 feet North ~~along~~ along section line and 1218.28 feet East (Direction) at right angles to said line from the West quarter corner of section 35 T.25 S., R.25 E., M.D.B. & M.

Elevation of ground above sea level 313.32 feet USGS topographic datum.

All depth measurements taken from top of Kelly Bushing which is 10' feet above ground. (Derrick Floor, Rotary Table or Kelly Bushing)

PROPOSED CASING PROGRAM

323' KB

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
8-5/8"	24#	J-55	Surface	400'	400'
5-1/2"	15.5#	J-55	Surface	3,000'	3,000'

Intended zone or zones of completion: Etchegoin 2600' - 3000' (Name) (Depth, top and bottom)

Estimated total depth 3000'

*Prospect status
requested by company
in letter dated 4/7/61.
EH

Map & Book	U.S. CS	Bond	Card	Farms
				114 121
		Blank	✓	1932

It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address 64 Pine Street
San Francisco 11, Calif.

Telephone Number Exbrook 7-0700

Type of Organization (Corporation, ~~Partnership~~, ~~Joint Venture~~, ~~Trust~~, ~~Other~~)

Reserve Oil and Gas Company

(Name of Operator)

By

Harold T. Green
Secretary

Delano
Airport

24

22

23

(PA Loub)

(PA Loub)

(PA Loub)

(W.F. Bankosky)

(L. Bankosky)

(W.L. Ingram)

(W.W. Gristers)

(C.E. Randolph)

(W.F. Bankosky)

(L.A. Baker)

(H.A. Gregg, et al)

27

(H.W. Williams)

26

(Capital Co)

(H.W. Williams)
H.W. Williams, Jr.

(A.R. Grober, et al)

(W.H. Byrne)

(H. Krikorian)

(R.G. Kirkpatrick)

(W. Heberstich)

PROPOSED LOCATION

(Perelli-Mineiti)

(C.W. White, et al)

34

(W.H. Byrne)

(E. Gargoli)

36

35

(G.C. Zimmerman)

(T.A. Davis)

GEN. PET.
Styles #1

(E.E. Lobre)

(E.E. Lobre, et al)

(B. Higginbottom)

T.25S. - R.25E.

T.26S. - R.25E.

3

RESERVE OIL AND GAS COMPANY

Delano Area

Proposed Location
Davis #1

COMPILED BY: I.L.D.

LOCATION: KERN CO., CALIF.

SCALE: 1" = 2000'